

FIGURE 1

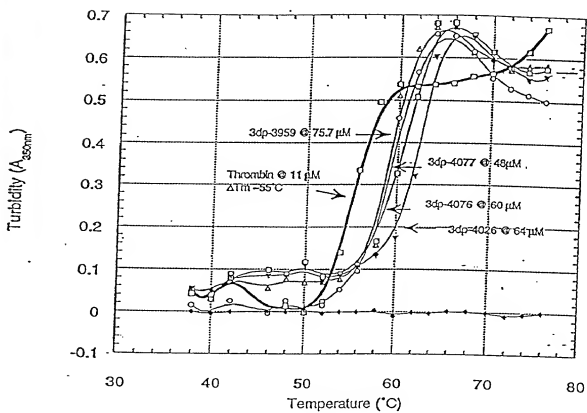


FIGURE 2

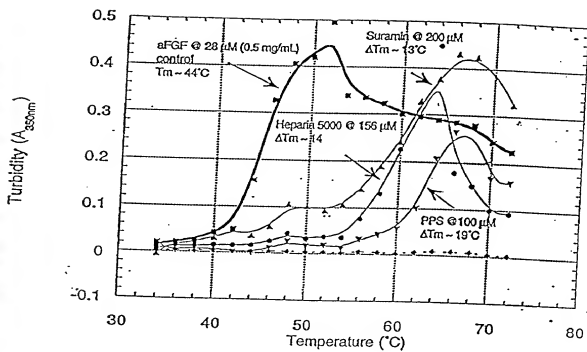


FIGURE 3

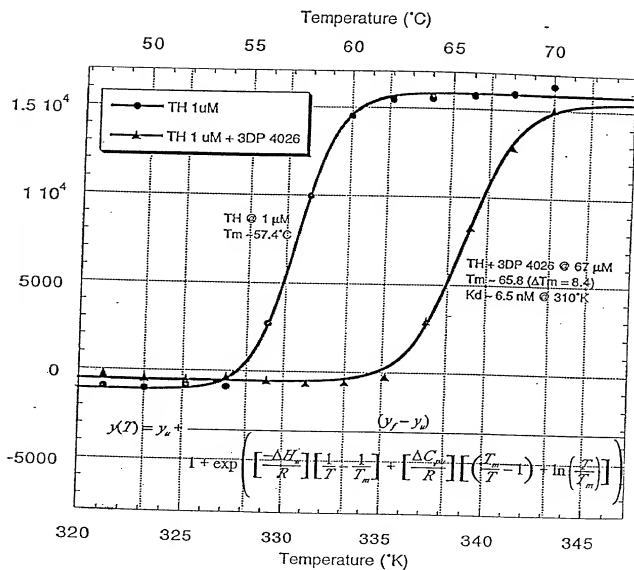


FIGURE 4

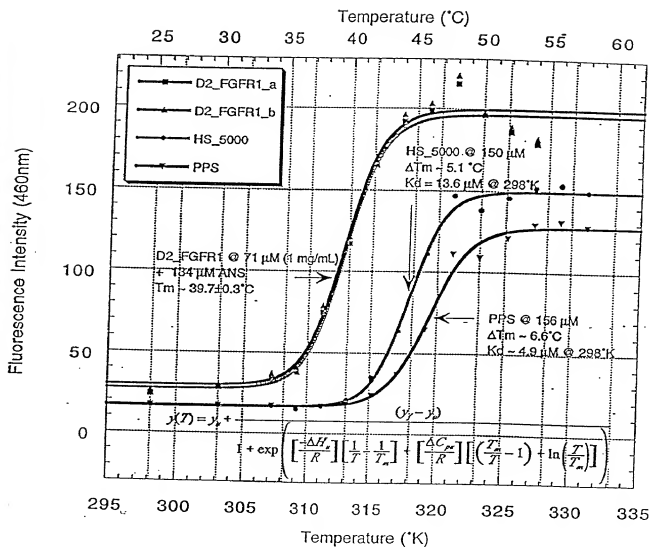


FIGURE 5

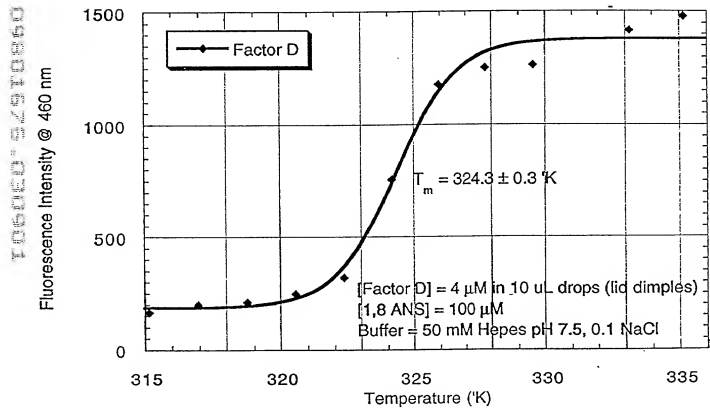


FIGURE 6

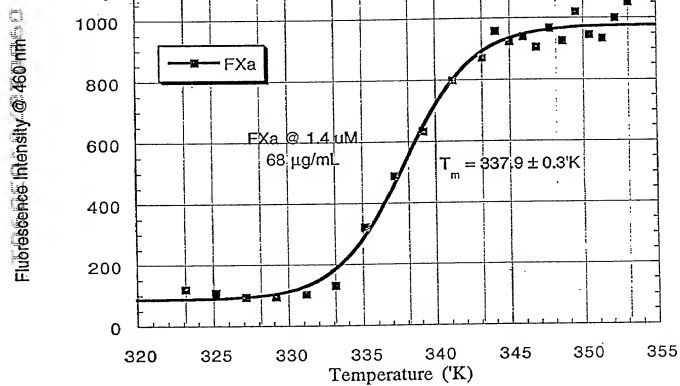
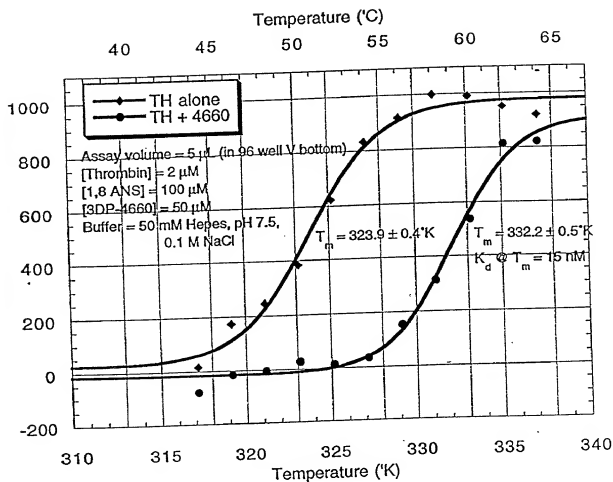


FIGURE 7



[illegible]

FIGURE 9

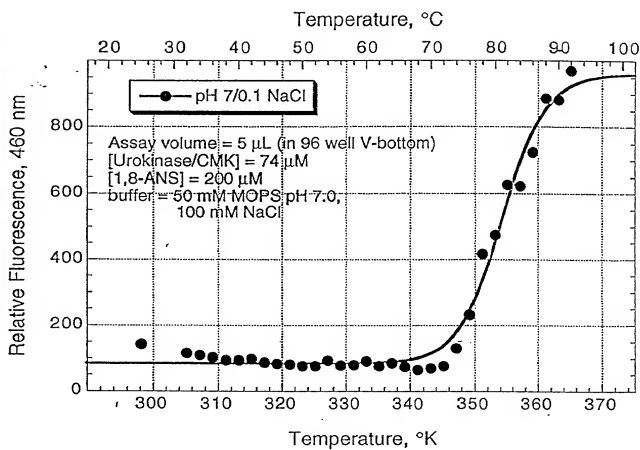
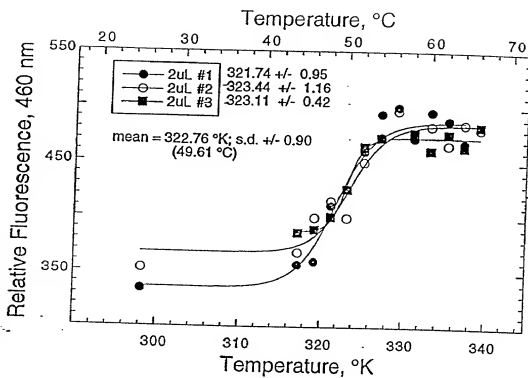


FIGURE 10



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FIGURE 11

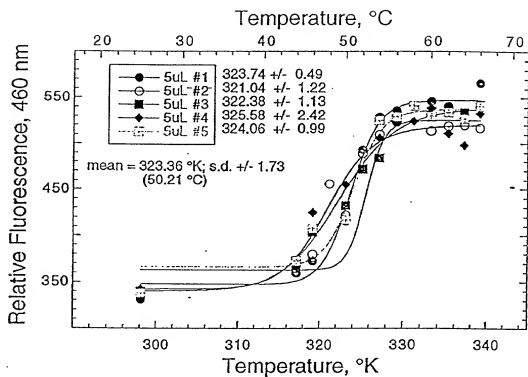


FIGURE 12

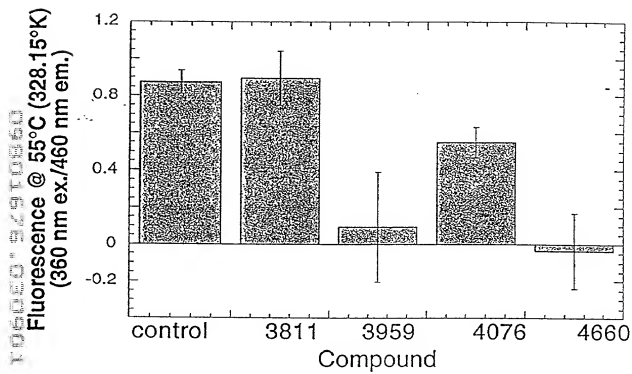


FIGURE 1.3

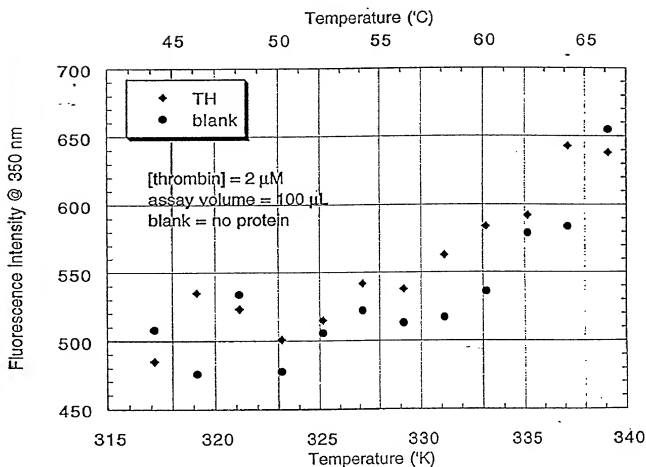


FIGURE 14

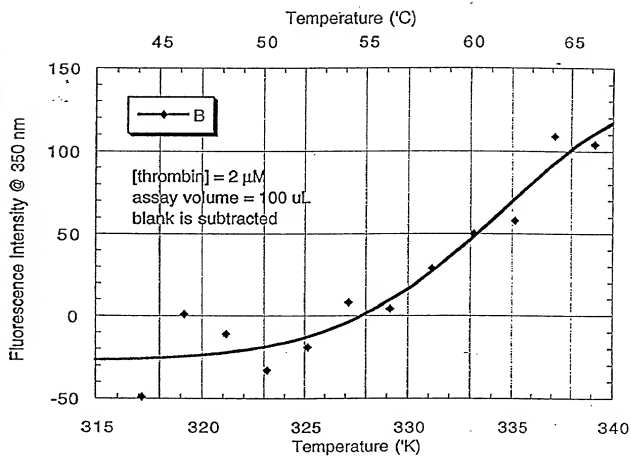


FIGURE 15

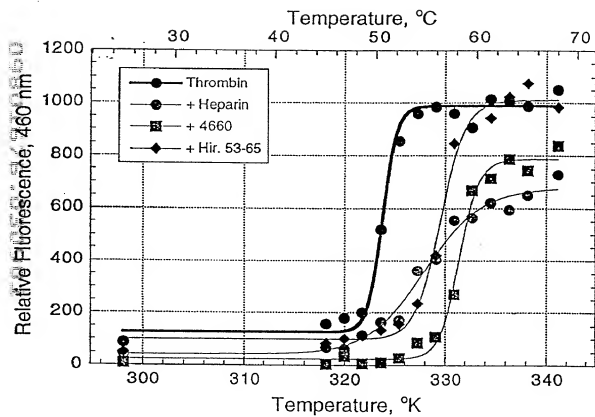


FIGURE 16

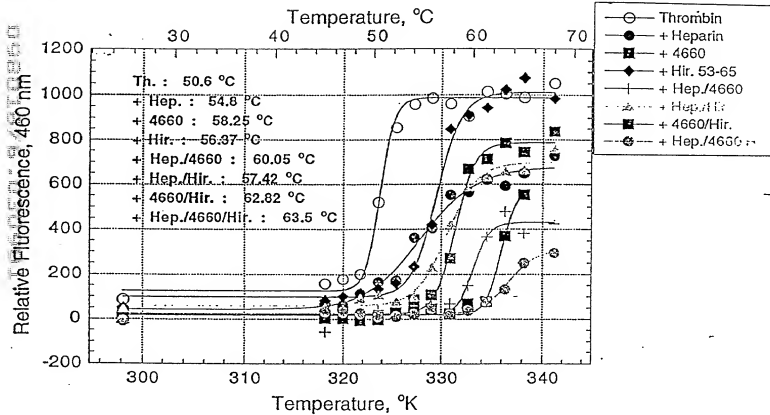


FIG. 17A

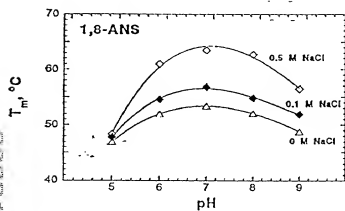


FIG. 17B

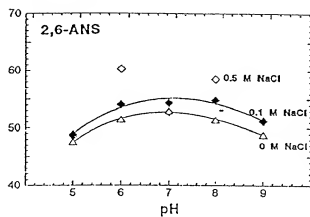


FIG. 17C

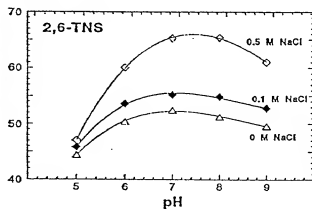


FIG. 17D

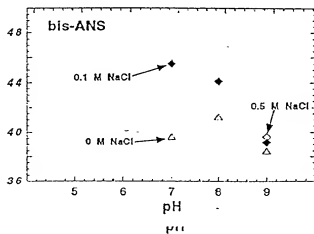


FIGURE 18

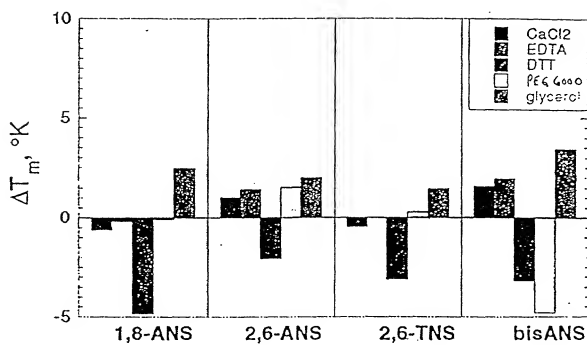


FIGURE 19

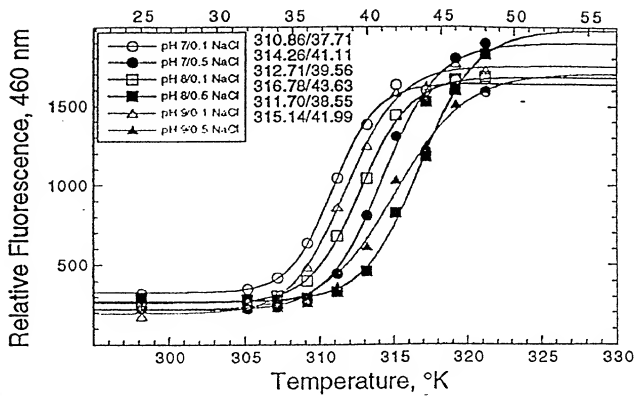


FIGURE 20

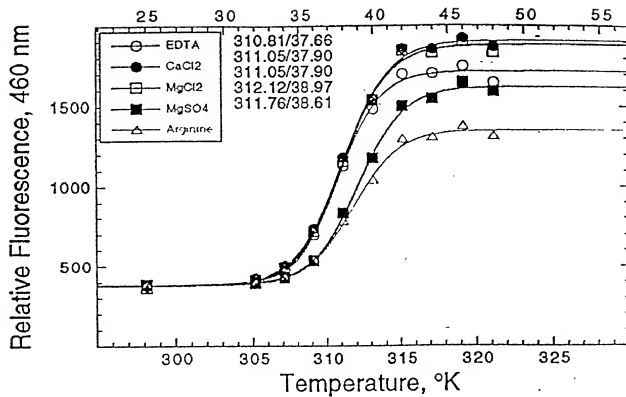
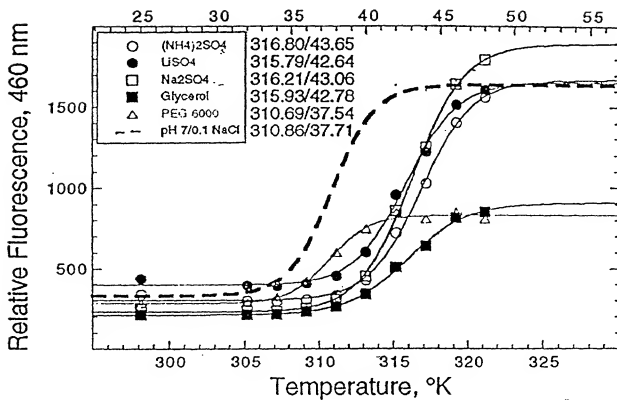


FIGURE 21



10000-92910950

FIGURE 22

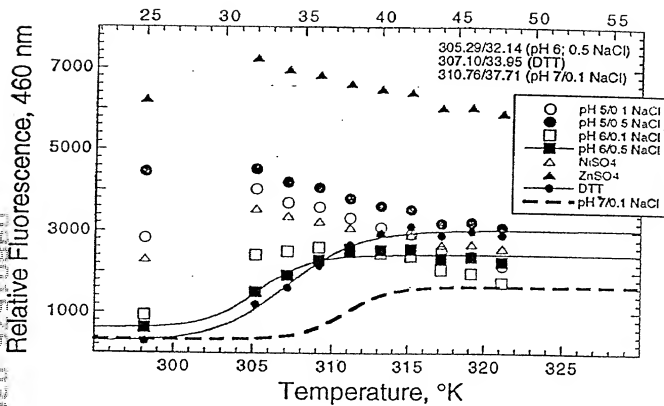


FIGURE 23

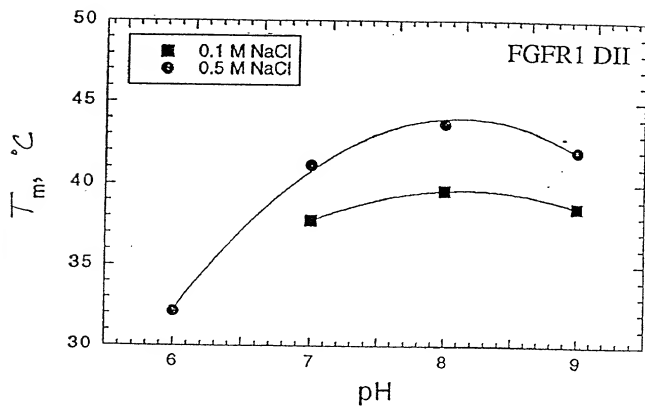


FIGURE 24

FGFR1 DII

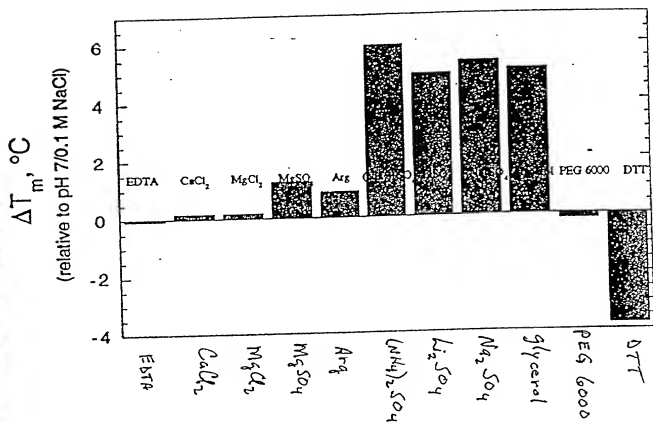


FIGURE 25

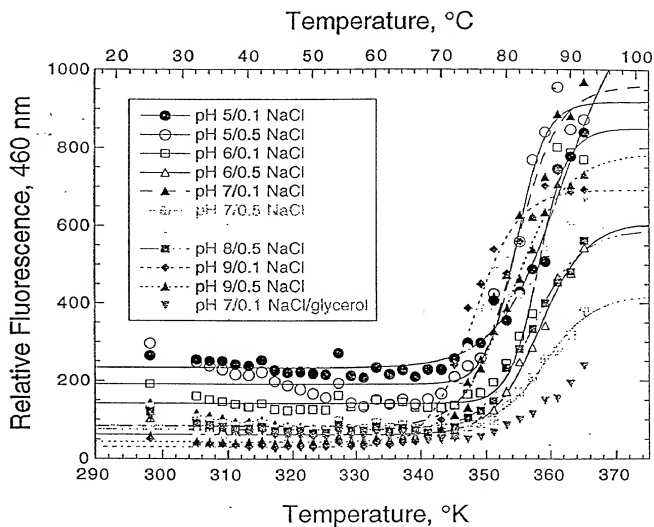
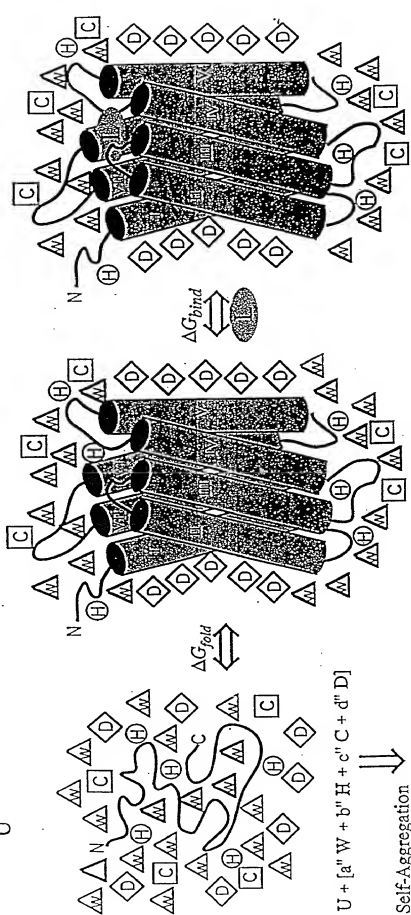


FIGURE 26

Unfolded State U Native State N Native-Ligand Complex NL'



$$\Delta G_{fold} = \Delta G_{conf} + \sum_i \Delta g_{i,int} + \sum_i \Delta g_{i,s} + \Delta W_{el} + (\Delta G_{bind})$$

| Legend | |
|--------|-----------------------------------|
| | = Water Molecules |
| | = Ionizable Protons |
| | = Counterions or Hofmeister Salts |
| | = Detergent or Lipid Molecules |



FIGURE 27

Tagged Denatured Protein

Denaturant: 6 M Gdn-HCl
8 M Urea
0.2% SDS

Reducing Agents: DTT, or β ME

H-H-H-H-H

R-R-R-R-R

Ni^{2+} NTA Resin (Novagen)
or
Heparin Sepharose
(Pharmacia Biotech)

Filter Screen
Plate (Millipore)

Microplate Protein Folding

Replace with n -Variable Refolding Conditions

Variable X (pH, Temp., Glycerol, Detergent, [Detergent],
Glutathione Redox Buffer, ligand or cofactor, etc.)

Thermal Shift Assay

00801676.028901

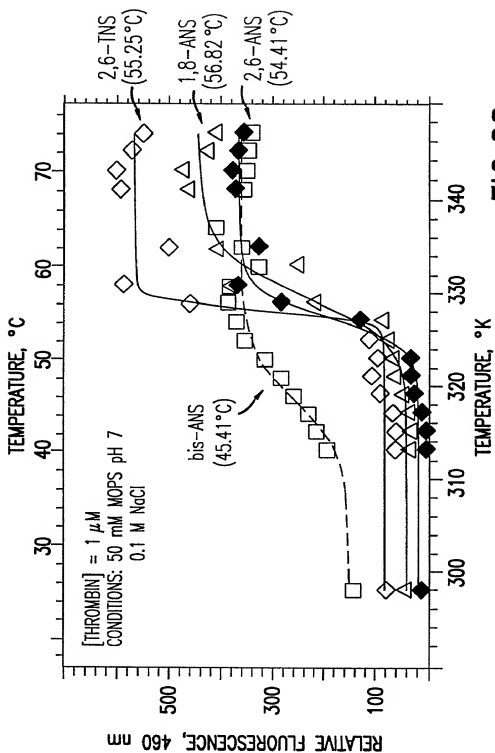


FIG.28

FIG. 29

2900

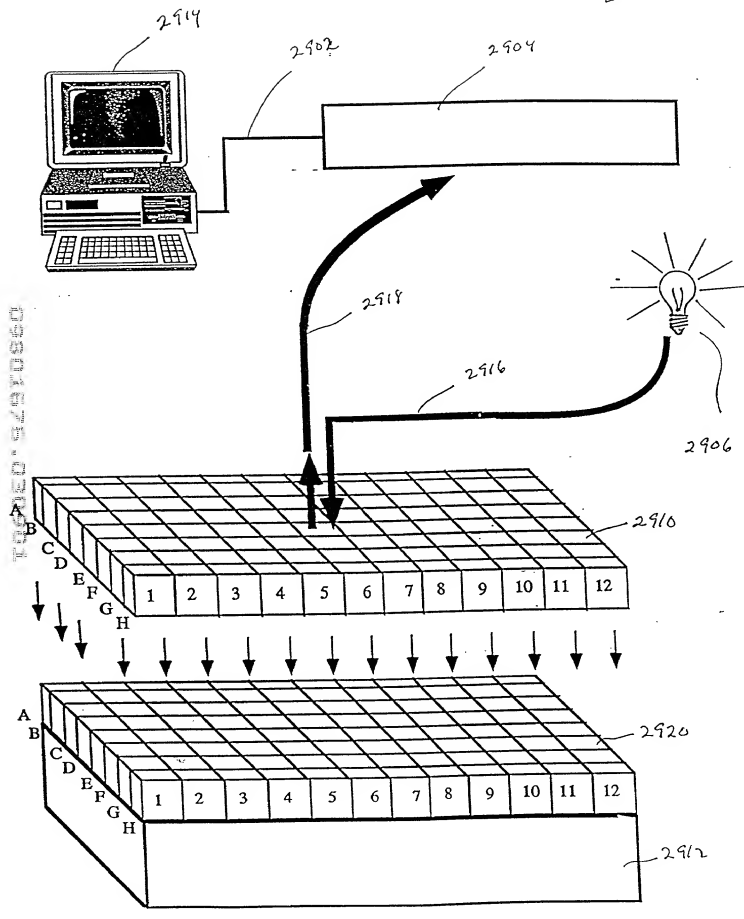


FIG. 30

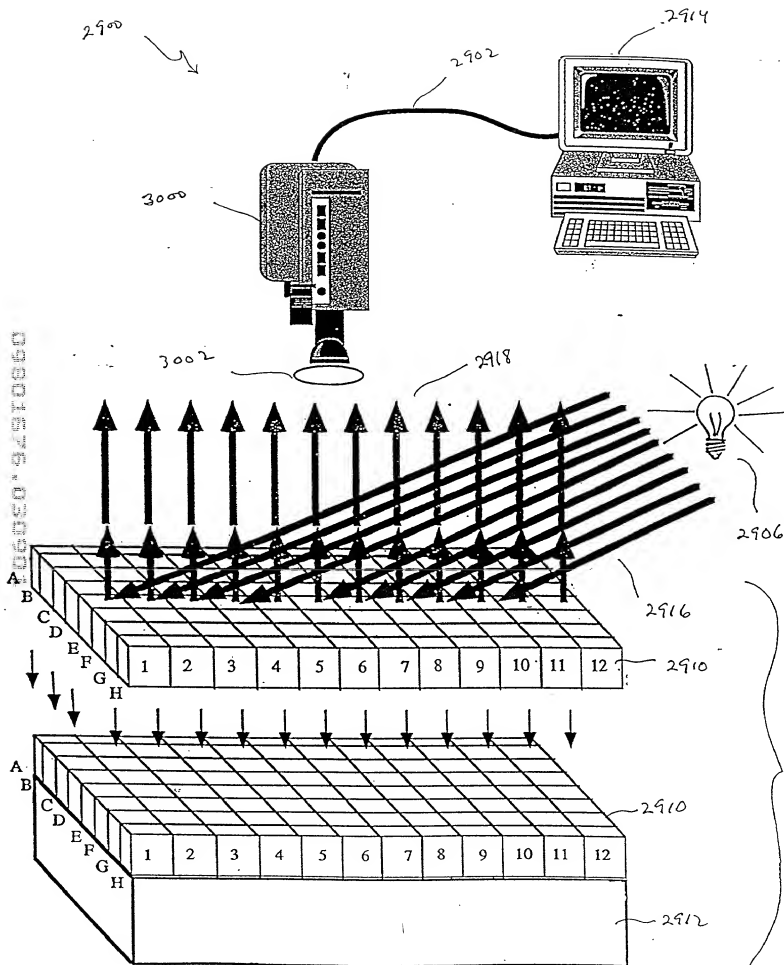
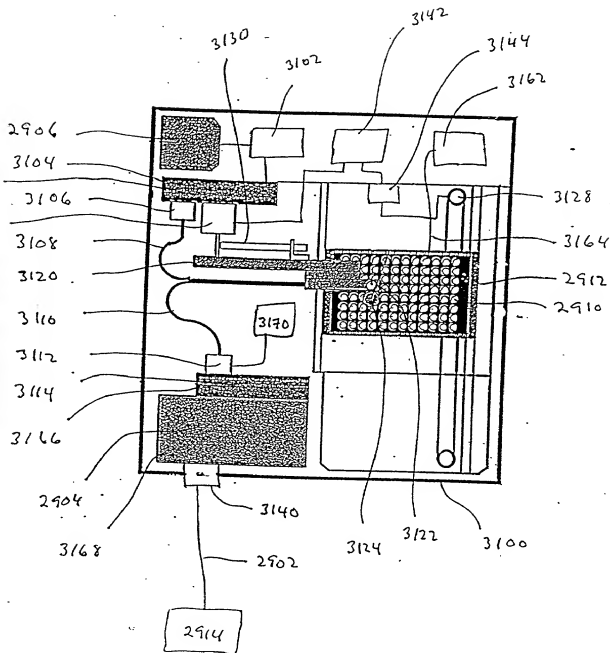


FIG. 31

2900

3160
3118
001575.000911



3154 3156
← →

↑ 3150
↓ 3152

FIG. 32A

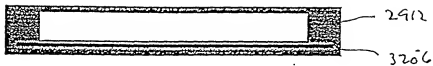


FIG. 32B

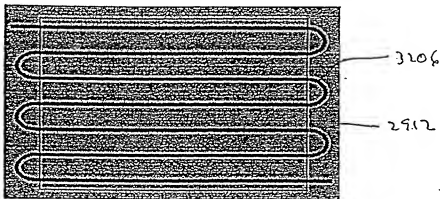
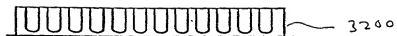


FIG. 32C



FLG. 32D

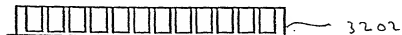


FIG. 32E

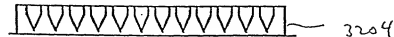
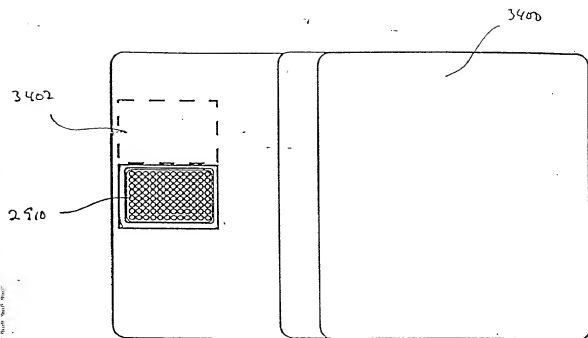


FIG. 34



09501676, 030901

Fig. 35

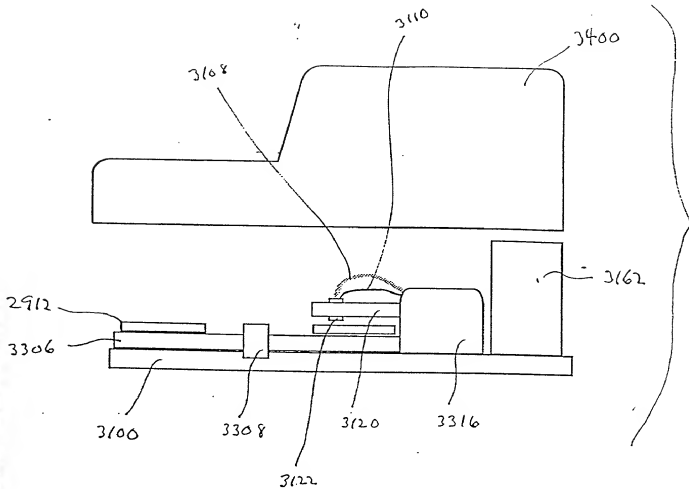
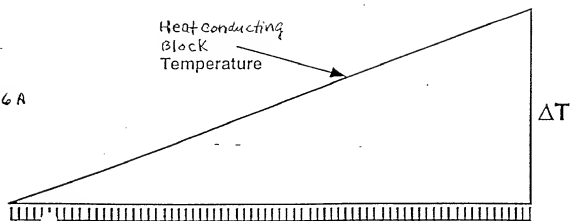


FIG. 36A



66 Seconds = 6 Reads + 6 Moves

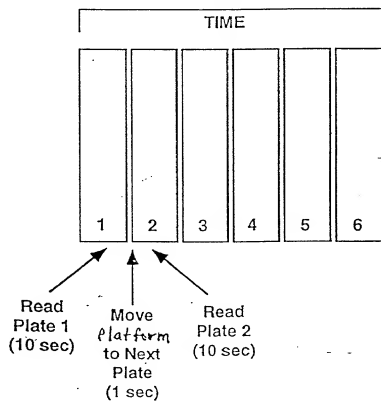
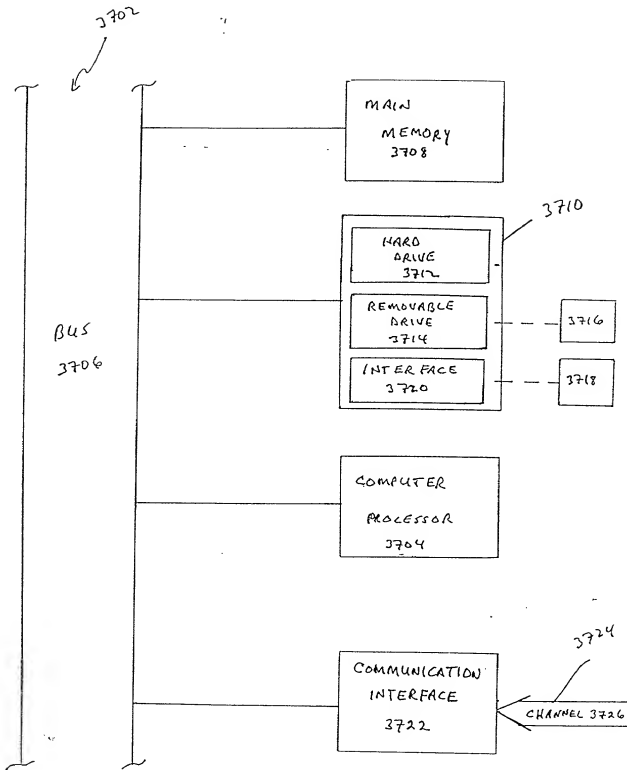


FIG. 36B

FIG. 37



09801576.030901

FIG. 38

00801676.030901

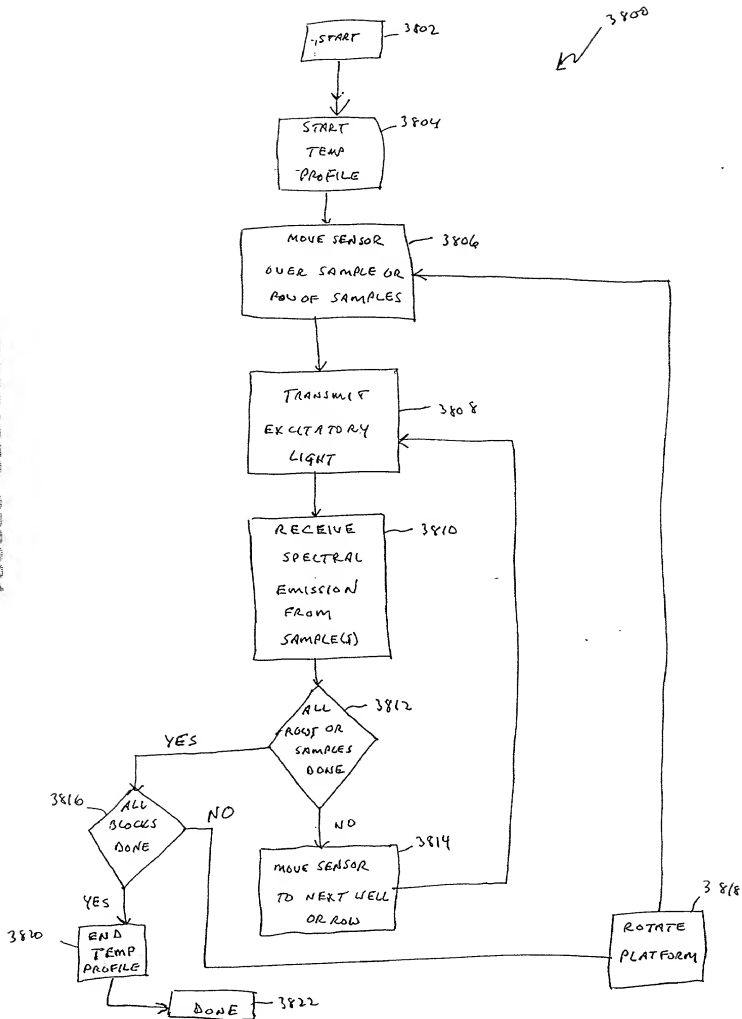
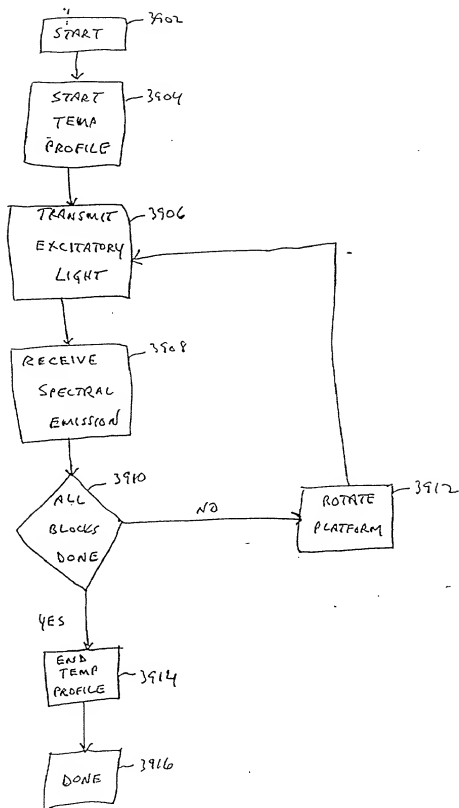


FIG. 39

3900
↙



0901576.030901

FIGURE 40

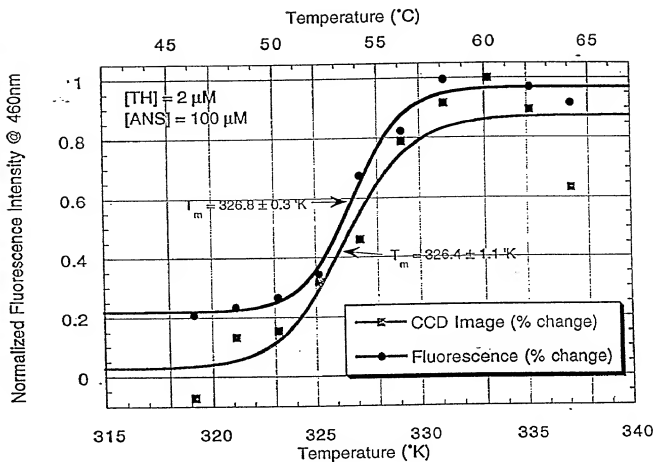
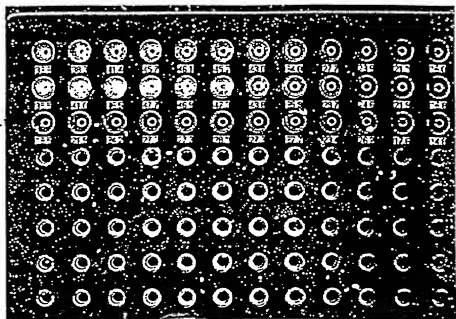


FIG. 41A

control →
NAN/40
protein



66°C ← 44

FIG. 41B

70°C ← 46

control →

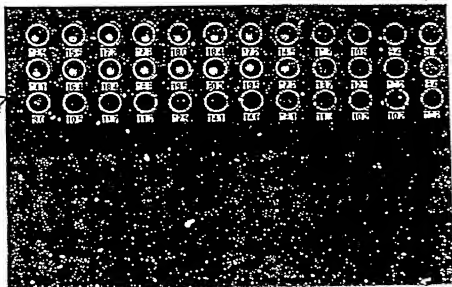


FIGURE 42

